

—Standard Valves—

4011-B
Valve

4011-B VALVE

TRIODE.

For replacement purposes only.

SPECIFICATION.

Cathode.

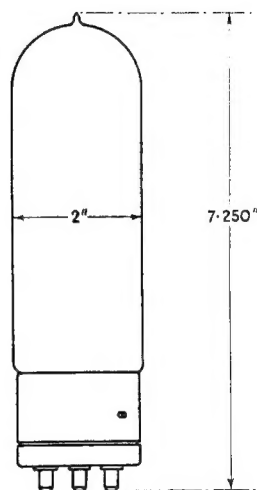
Oxide coated filament.
Constant voltage type.

Base.

Large 4-pin bayonet thrust.

Dimensions.

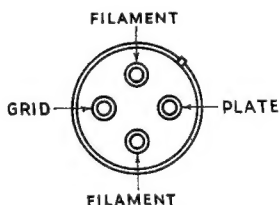
Overall length	7 $\frac{1}{4}$ " (18.4 cms.)
Maximum diameter	2" (5.1 cms.)
Net weight	0.42 lbs. (190 gms.)



Constants.

Filament voltage	8 volts
Nominal filament current	1.6 amps.
* Impedance	1,650 ohms.
* Amplification factor	4.2
Grid-anode capacity	9.5 $\mu\mu\text{F}$.
Anode-filament capacity	4 $\mu\mu\text{F}$.
Grid-filament capacity	4.5 $\mu\mu\text{F}$.

* at anode current of 0.060 amps.



LIMITING CONDITIONS FOR SAFE OPERATION.

Maximum direct anode voltage	350 volts
Maximum direct anode current	0.150 amps.
Maximum anode dissipation	30 watts

Note :—This valve should be mounted so that the filament is operated in a vertical plane.

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TYPICAL OPERATING CONDITIONS.

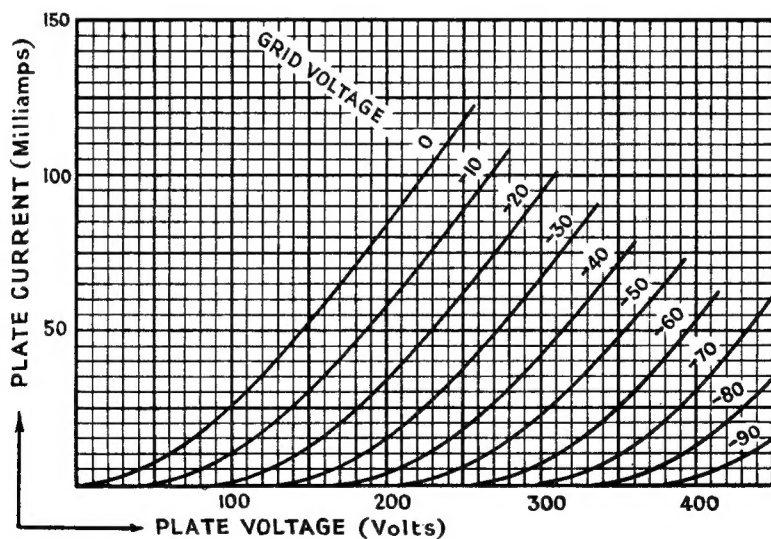
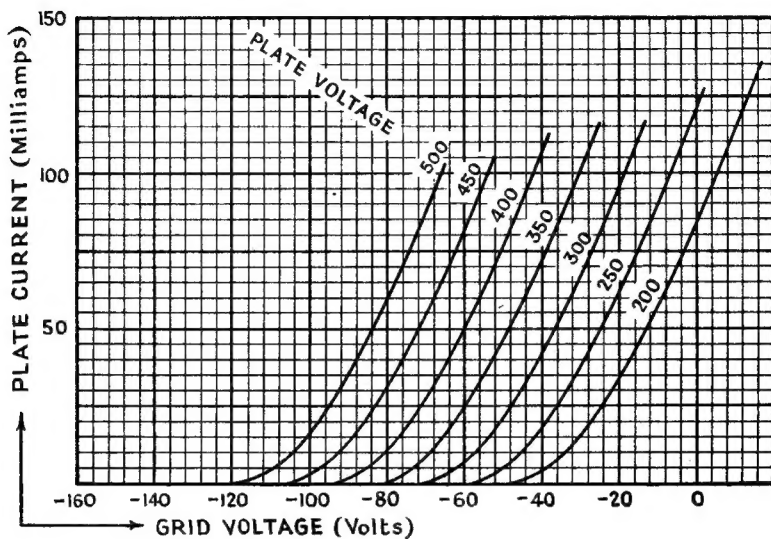
	Class A A.F. Amp.
Direct anode voltage Grid bias Direct anode current Anode dissipation Load impedance Undistorted output	350 volts —45 volts 0.060 amps. 18.9 watts 2,000 ohms 2.1 watts

	Class B A.F. Amp. and Mod. For balanced 2 valve circuit
Direct anode voltage Grid bias Anode current per valve—zero signal Anode current per valve—maximum signal Anode dissipation Load resistance—anode to anode Maximum output—2 valves	350 volts —55 to —65 volts 0.030 amps. 0.150 amps. 25 watts 2,100 ohms 60 watts

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These curves are taken with direct filament heating, grid and anode voltages being referred to negative end of filament.



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